	Application No.	Applicant(s)	
Notice of Allowability	10/772,299	KAGAWA ET AL.	
	Examiner	Art Unit	
	Sow-Fun Hon	1772	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included			
herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	or other appropriate comm GHTS. This application is	unication will be mailed in due course. THIS	
1. This communication is responsive to the amendment dated 03/16/07.			
2. The allowed claim(s) is/are <u>1-17</u> .			
3. Acknowledgment is made of a claim for foreign priority un	nder 35 U.S.C. § 119(a)-(d)	or (f).	
a) ☐ All b) ☐ Some* c) ☐ None of the:			
1. Certified copies of the priority documents have been received.			
2. Certified copies of the priority documents have been received in Application No. <u>09/512,475</u> .			
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EX es reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF declaration is deficient.	
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.			
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) hereto or 2) to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MAT FOR THE DEPOSIT OF BI	ERIAL must be submitted. Note the OLOGICAL MATERIAL.	
	•		
Attachment(s)			
1. ☑ Notice of References Cited (PTO-892)	5. Notice of I	nformal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), /Mail Date	
3. Information Disclosure Statements (PTO/SB/08),		s Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's	Statement of Reasons for Allowance	
of Biological Material	9. ⊠ Other <u>See</u>	Continuation Sheet.	
÷			

Continuation of Attachment(s) 9. Other: The drawings filed 02/06/04 are accepted by the examiner.

Application/Control Number: 10/772,299

Art Unit: 1772

Reasons for Allowance

The following is an examiner's statement of reasons for allowance. 1.

The closest cited prior art of record US 5,986,735 or US 4,522,470 fails to teach or suggest, even in view of each other, US 5,414,440, US 5,132,815 and EP 0344753A2, the combination of a liquid crystal display device comprising: a pair of substrates; a liquid crystal layer disposed between said pair of substrates; and a plurality of pixel electrodes and common electrodes, both of said pixel electrodes and said common electrodes being supported on one of said pair of substrates, for supplying an electric field to said liquid crystal layer; wherein said liquid crystal layer contains a range from 40% weight percentage to less than 100% weight percentage of a constituent component with a dielectric anisotropy of $0 < |\Delta \varepsilon| \le 1$, and

- A response time between a lowest brightness level and a highest brightness level is less than 16.7 ms; or
 - A response time between gray levels is less than 16.7 ms; or (ii)
- The liquid crystal layer has a birefringence Δn and a dielectric anisotropy (iii) $\Delta \varepsilon$ which satisfy the condition $\Delta n/\sqrt{\Delta \varepsilon} \le 5.5 \times 10^{-2}$.

None of the references above teach that the liquid crystal composition containing a range from 40% weight percentage to less than 100% weight percentage of the constituent component with a dielectric anisotropy of $0 < |\Delta \varepsilon| \le 1$, can satisfy the condition of (i) a response time between a lowest brightness level and a highest brightness level of less than 16.7 ms; or (ii) a response time between gray levels is less

Application/Control Number: 10/772,299

Art Unit: 1772

than 16.7 ms; or (iii) the liquid crystal layer has a birefringence Δn and a dielectric anisotropy $\Delta \epsilon$ which satisfy the condition $\Delta n/\sqrt{\Delta \epsilon} \le 5.5 \times 10^{-2}$.

See Applicant's arguments in the remarks section dated 07/31/06.

The terminal disclaimer has obviated any obviousness-type double patenting issues over US 6,423,385.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Page 4

Application/Control Number: 10/772,299

Art Unit: 1772

Any inquiry concerning this communication should be directed to Sow-Fun Hon whose telephone number is (571)272-1492. The examiner can normally be reached Monday to Friday from 10:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon, can be reached at (571)272-1498. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S.Ho.